

**IN THE SPECIFICATION:**

Please replace the title to read as follows:

**COMPUTER SYSTEM FOR PROCESSING STACK-BASED INSTRUCTIONS  
USING THE DATA-DRIVE PRINCIPLE**

Please replace the paragraph bridging pages 4 and 5 with the following:

When the instruction held in the head entry of the queue retained in the instruction buffer is/becomes ready to be completed, in accordance with the substance in the head entry of the queue, the completed pointer stack is manipulated so as to reproduce the operation that was applied on the advanced pointer stack in the course of decoding of the instruction, the head entry is dequeued, and each entry of the consolidated register file, hold of whose address is lost on the completed pointer stack on account of a pop operation, is released from allocation.